

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("6403830").PN.	US-PGPUB; USPAT	OR	OFF	2006/12/07 13:26
L2	1	("4440788").PN.	US-PGPUB; USPAT	OR	OFF	2006/12/07 13:33
L3	188	(564/193).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/12/07 13:44
L4	443	(564/215).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/12/07 13:51
L5	2546	(435/29,113,129).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/12/07 13:59
L6	1042	(435/130,280,863,910).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/12/07 14:00

## Refine Search

### Search Results -

Terms	Documents
alkylcysteinamide	5

**Database:**

US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**

L3

Refine Search

Recall Text      Clear      Interrupt

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### Search History

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DATE: Thursday, December 07, 2006    [Purge Queries](#)    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=AND</i>			
<u>L3</u>	alkylcysteinamide	5	<u>L3</u>
<u>L2</u>	(2) adj (alkylcysteinamide)	4	<u>L2</u>
<u>L1</u>	2-alkylcysteinamide	4	<u>L1</u>

END OF SEARCH HISTORY

10/552, 634

FILE 'HOME' ENTERED AT 11:10:50 ON 07 DEC 2006

=> file req

COST IN U.S. DOLLARS

SINCE FILE

**TOTAL**

ENTRY

SESSION

0 31

FILE 'REGISTRY' ENTERED AT 11:11:05 ON 07 DEC 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 DEC 2006 HIGHEST RN 914980-83-9  
DICTIONARY FILE UPDATES: 6 DEC 2006 HIGHEST RN 914980-83-9

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

$\Rightarrow$

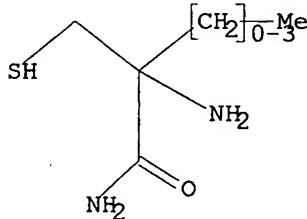
Uploading C:\Program Files\Stnexp\Queries\10552634.str

## L1 STRUCTURE UPLOADED

=> d

## L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 11:11:20 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 465 TO ITERATE

100.0% PROCESSED

465 ITERATIONS

## O ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 8007 TO 10593  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s ll ful  
FULL SEARCH INITIATED 11:11:30 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 9456 TO ITERATE

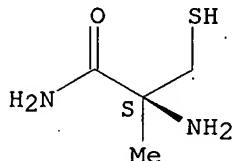
100.0% PROCESSED 9456 ITERATIONS 6 ANSWERS  
SEARCH TIME: 00.00.01

L3 6 SEA SSS FUL L1

=> d 13 1-6

L3 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 872993-33-4 REGISTRY  
ED Entered STN: 30 Jan 2006  
CN Propanamide, 2-amino-3-mercaptopropanoate-, monohydrochloride, (2S)- (9CI)  
(CA INDEX NAME)  
FS STEREOSEARCH  
MF C4 H10 N2 O S . Cl H  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT  
CRN (872851-77-9)

Absolute stereochemistry.

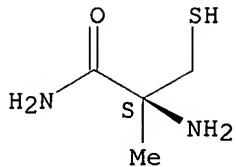


● HCl

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 872851-77-9 REGISTRY  
ED Entered STN: 27 Jan 2006  
CN Propanamide, 2-amino-3-mercaptopropanoate-, (2S)- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C4 H10 N2 O S  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS

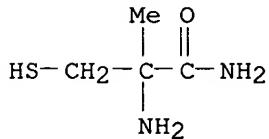
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

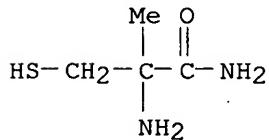
L3 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 872085-51-3 REGISTRY  
 ED Entered STN: 17 Jan 2006  
 CN Propanamide, 2-amino-3-mercaptopropanamide (9CI) (CA INDEX NAME)  
 MF C4 H10 N2 O S  
 CI COM  
 SR CA  
 LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 872055-61-3 REGISTRY  
 ED Entered STN: 17 Jan 2006  
 CN Propanamide, 2-amino-3-mercaptopropanamide, monohydrochloride (9CI) (CA INDEX NAME)  
 MF C4 H10 N2 O S . Cl H  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT  
 CRN (872085-51-3)

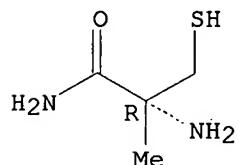


● HCl

2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 794491-30-8 REGISTRY  
 ED Entered STN: 08 Dec 2004  
 CN Propanamide, 2-amino-3-mercaptopropanoate-2-methyl-, (2R)- (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C4 H10 N2 O S  
 CI COM  
 SR CA  
 LC STN Files: CA, CAPLUS

Absolute stereochemistry.

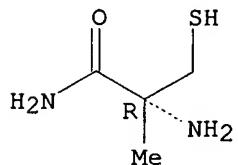


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 771585-13-8 REGISTRY  
 ED Entered STN: 29 Oct 2004  
 CN Propanamide, 2-amino-3-mercaptopropanoate-2-methyl-, monohydrochloride, (2R)- (9CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C4 H10 N2 O S . Cl H  
 SR CA  
 LC STN Files: CA, CAPLUS  
 CRN (794491-30-8)

Absolute stereochemistry.



● HCl

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
178.34	178.55

FILE 'CAPLUS' ENTERED AT 11:11:48 ON 07 DEC 2006  
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FILE COVERS 1907 - 7 Dec 2006 VOL 145 ISS 24  
FILE LAST UPDATED: 5 Dec 2006 (20061205/ED)

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=> s 13  
L4 6 L3

=> d 14 1-6

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2006:75182 CAPLUS  
DN 144:165334  
TI Protein and DNA sequences of Xanthobacter flavus L-amino acid amidase and uses in manufacture of L-amino acids from L-amino acid amide  
IN Asano, Yasuhisa; Inoue, Atsushi  
PA Mitsubishi Gas Chemical Company, Inc., Japan  
SO PCT Int. Appl., 27 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006008872	A1	20060126	WO 2005-JP9345	20050523
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRAI JP 2004-214241 A 20040722

OS MARPAT 144:165334

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2006:35264 CAPLUS  
DN 144:108311

TI Preparation of optically active thiazolidine-4-carboxamides  
IN Higuchi, Yasushi; Tanaka, Akinobu; Hasemi, Takashi; Sugita, Masaki  
PA Mitsubishi Gas Chemical Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2006008556	A2	20060112	JP 2004-186005	20040624
PRAI	JP 2004-186005		20040624		
OS	CASREACT 144:108311; MARPAT 144:108311				

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:10192 CAPLUS

DN 144:68681

TI Manufacture of optically active 2-alkyl-D-cysteine esters by enzymic resolution and chemical synthesis  
IN Sugita, Masaki; Hasemi, Takashi; Tanaka, Akinobu; Higuchi, Yasushi  
PA Mitsubishi Gas Chemical Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2006000006	A2	20060105	JP 2004-176624	20040615
PRAI	JP 2004-176624		20040615		
OS	CASREACT 144:68681; MARPAT 144:68681				

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:10189 CAPLUS

DN 144:106696

TI Optically active 2-alkyl-D-cysteine or salts manufacture by enzymic resolution

IN Higuchi, Yasushi; Tanaka, Akinobu; Hasemi, Takashi; Sugita, Masaki

PA Mitsubishi Gas Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2006000005	A2	20060105	JP 2004-176548	20040615
PRAI	JP 2004-176548		20040615		
OS	MARPAT 144:106696				

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:549336 CAPLUS

DN 144:207768

TI Asymmetric synthesis of L- $\alpha$ -methylcysteine with the amidase from Xanthobacter flavus NR303

AU Inoue, Atsushi; Komeda, Hidenobu; Asano, Yasuhisa

CS Biotechnology Research Center, Toyama Prefectural University, Toyama, 939-0398, Japan

SO Advanced Synthesis & Catalysis (2005), 347(7+8), 1132-1138

CODEN: ASCAF7; ISSN: 1615-4150

PB Wiley-VCH Verlag GmbH & Co. KGaA

DT Journal

## LA English

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:872852 CAPLUS  
 DN 141:330879  
 TI 2-Alkylcysteinamide or salt thereof, process for producing these, and use  
 of these  
 IN Higuchi, Yasushi; Tanaka, Akinori; Hasemi, Ryuji  
 PA Mitsubishi Gas Chemical Company, Inc., Japan  
 SO PCT Int. Appl., 21 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004090152	A1	20041021	WO 2004-JP4988	20040407
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1634957	A1	20060315	EP 2004-726263	20040407
	R: DE				
PRAI	JP 2003-103898	A	20030408		
	JP 2003-325057	A	20030917		
	WO 2004-JP4988	W	20040407		
OS	MARPAT 141:330879				
RE.CNT 18	THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

=> file casreact

**COST IN U.S. DOLLARS**

SINCE FILE

TOTAL

**FULL ESTIMATED COST**

ENTRY

SESSION  
187 60

FILE 'CASREACT' ENTERED AT 11:14:41 ON 07 DEC 2006  
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FILE CONTENT: 1840 - 3 Dec 2006 VOL 145 TSS 23

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\*\*\*\*\*  
\* CASREACT now has more than 10 million reactions \*  
\*\*\*\*\*

\*\*\*\*\*

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>

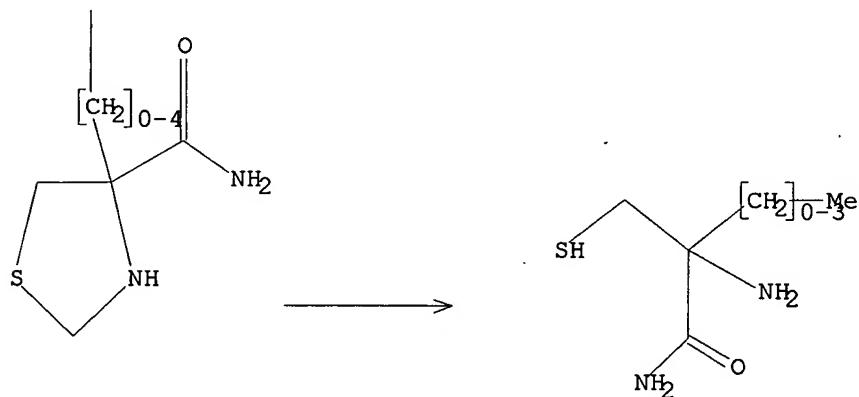
Uploading C:\Program Files\Stnexp\Queries\0552634.str

L5        STRUCTURE UPLOADED

=> d

L5 HAS NO ANSWERS

L5                    STR



Structure attributes must be viewed using STN Express query preparation.

=> s 15

SAMPLE SEARCH INITIATED 11:15:03 FILE 'CASREACT'

SCREENING COMPLETE -            0 REACTIONS TO VERIFY FROM

0 DOCUMENTS

100.0% DONE        0 VERIFIED        0 HIT RXNS        0 DOCS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:    ONLINE    \*\*COMPLETE\*\*  
                            BATCH     \*\*COMPLETE\*\*

PROJECTED VERIFICATIONS:    0 TO     0

PROJECTED ANSWERS:          0 TO     0

L6        0 SEA SSS SAM L5 (        0 REACTIONS)

=> s 15 ful

FULL SEARCH INITIATED 11:15:09 FILE 'CASREACT'

SCREENING COMPLETE -        34 REACTIONS TO VERIFY FROM

3 DOCUMENTS

100.0% DONE        34 VERIFIED        0 HIT RXNS        0 DOCS  
SEARCH TIME: 00.00.01

L7        0 SEA SSS FUL L5 (        0 REACTIONS)